Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Optics Communications 227 (2003) 405–410
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Author index to volume 227

Abbas, M., see Naqvi, Q.A. 227 (2003) 143
Agulló-López, F., see Calvo, G.F. 227 (2003) 193
Arain, M.A., see Riza, N.A. 227 (2003) 301

Baggett, J.C., T.M. Monro, K. Furusawa, V. Finazzi and D.J. Richardson, Understanding bending losses in holey optical fibers 227 (2003) 317
Barnes, T.H., see Wu, C.Y. 227 (2003) 75
Barzen, S., see Hamann, H.F. 227 (2003) 1
Belić, M.R., see Calvo, G.F. 227 (2003) 193
Berg, T.W., see Uskov, A.V. 227 (2003) 363
Blanchet, V., see Delagnes, J.C. 227 (2003) 125
Bogatirev, V.A., see Torchigin, V.P. 227 (2003) 265
Bonifacio, R., see Paris, M.G.A. 227 (2003) 349
Bouchene, M.A., see Delagnes, J.C. 227 (2003) 125
Bovino, F.A., P. Varisco, A. Maria Colla, G. Castagnoli, G. Di Giuseppe and A.V. Sergienko, Effective fiber-coupling of entangled photons for quantum communication 227 (2003) 343
Brand, F., see Castaneda, R. 227 (2003) 37
Brandenburg, R., B. Haller and C. Hauger, Real-time in vivo imaging of dental tissue by means of optical coherence tomography (OCT) 227 (2003) 203
Brown, T., see Hamann, H.F. 227 (2003) 1
Bryksin, V.V., see Petrov, M.P. 227 (2003) 183
Butkus, R., S. Orlov, A. Piskarskas, V. Smilgevičius and A. Stabinis, Localization of optical wave packets by linear parametric amplification 227 (2003) 237

Calvo, G.F., F. Agulló-López, M. Carrascosa, M.R. Belić and D. Vujić, Two-dimensional soliton-induced refractive index change in photorefractive crystals 227 (2003) 193
Carrascosa, M., see Calvo, G.F. 227 (2003) 193
Castagnoli, G., see Bovino, F.A. 227 (2003) 343
Castaneda, R., J. Garcia-Sucerquia and F. Brand, Quality descriptors of optical beams based on centred reduced moments I: spot analysis 227 (2003) 37
Chen, X., see Xia, L. 227 (2003) 311
Chen, Z., see Tu, C. 227 (2003) 383
Cheng, C., Z. Xu and C. Sui, A novel design method: a genetic algorithm applied to an erbium-doped fiber amplifier 227 (2003) 371
Chu, P.L., see Mayteevarunyoo, T. 227 (2003) 99

doi:10.1016/S0030-4018(03)02096-0

Cierullies, S., see Krause, M. 227 (2003) 355
Cola, M., see Paris, M.G.A. 227 (2003) 349

Danel, A., see Koścień, E. 227 (2003) 115
Delagnes, J.C., V. Blanchet and M.A. Bouchene, Role of the radiated field in the propagation of an ultra-short chirped pulse 227 (2003) 125
Di Giuseppe, G., see Bovino, F.A. 227 (2003) 343
Dvoynenko, M.M., see Yang, T.-R. 227 (2003) 25

Fang, Z.-j., see Guo, L.-w. 227 (2003) 83
Finazzi, V., see Baggett, J.C. 227 (2003) 317
Freund, I., Polarization critical points in polychromatic optical fields 227 (2003) 61
Furusawa, K., see Baggett, J.C. 227 (2003) 317

Gallagher, A., see Hamann, H.F. 227 (2003) 1
Ganeev, R.A., A. Ishizawa, T. Kanai, T. Ozaki and H. Kuroda, Polarization peculiarities of femtosecond laser induced harmonic generation from solid surface plasma 227 (2003) 175
García-Llamas, R., see Ramírez-Duverger, A.S. 227 (2003) 227
García-Sucerquia, J., see Castaneda, R. 227 (2003) 37
Goh, C.S., see Khijwania, S.K. 227 (2003) 107
Gondek, E., see Koścień, E. 227 (2003) 115
Guo, L.-w., Y.-w. Zhou and Z.-j. Fang, Pulse broadening in optical fiber with polarization mode dispersion and polarization dependent loss 227 (2003) 83

Halfmann, T., see Rickes, T. 227 (2003) 133
Haller, B., see Brandenburg, R. 227 (2003) 203
Hamann, H.F., M. Larbadi, S. Barzen, T. Brown, A. Gallagher and D.J. Nesbitt, Extinction near-field optical microscopy 227 (2003) 1
Haskell, T.G., see Wu, C.Y. 227 (2003) 75
Hasselbeck, M.P., see Imangholi, B. 227 (2003) 337
Hauger, C., see Brandenburg, R. 227 (2003) 203
He, S., see Song, J. 227 (2003) 89
Hernández, C., see Mas, D. 227 (2003) 245
Hillion, P., Scalar "beams of finite width" 227 (2003) 57

Illueca, C., see Mas, D. 227 (2003) 245
Imangholi, B., M.P. Hasselbeck and M. Sheik-Bahae, Absorption spectra of wide-gap semiconductors in their transparency region 227 (2003) 337
Ishizawa, A., see Ganeev, R.A. 227 (2003) 175

Jeong, Y., see Sahu, J.K. 227 (2003) 159
Jin, G.-F., see Yi, D.-E. 227 (2003) 49
Jing, F., see Zhao, D. 227 (2003) 213

Kanai, T., see Ganeev, R.A. 227 (2003) 175
Kanter, G.S. and P. Kumar, All-optical signal regeneration utilizing multi-stage cascaded nonlinearities 227 (2003) 171

Khan, S.A., see Riza, N.A. 227 (2003) 301
Khijwania, S.K., C.S. Goh, S.Y. Set and K. Kikuchi, A novel tunable dispersion slope compensator based on nonlinearly thermally chirped fiber Bragg grating 227 (2003) 107
Kikuchi, K., see Khijwania, S.K. 227 (2003) 107
Kityk, A.V., see Koścień, E. 227 (2003) 115
Knight, P.L., E. Roldán and J.E. Sipe, Optical cavity implementations of the quantum walk 227 (2003) 147
Koścień, E., J. Sanetra, E. Gondek, A. Danel, A. Wisła and A.V. Kityk, Optical absorption measurements and quantum-chemical simulations on 1H-pyrazolo [3,4-b]quinoline derivatives 227 (2003) 115
Krätzig, E., see Petrov, M.P. 227 (2003) 183
Krasuyk, I.K., see Torchigin, V.P. 227 (2003) 265
Krause, M., S. Cierullies and H. Renner, Stabilizing effect of line broadening in Raman fiber lasers 227 (2003) 355
Kumar, P., see Kanter, G.S. 227 (2003) 171
Kuroda, H., see Ganeev, R.A. 227 (2003) 175

Larbadi, M., see Hamann, H.F. 227 (2003) 1
Li, J., see Tu, C. 227 (2003) 383
Li, X., see Xia, L. 227 (2003) 311
Lin, G.-R., see Xia, G.-Q. 227 (2003) 165
Liu, H., see Zhao, D. 227 (2003) 213
Liu, L., see Zhang, J. 227 (2003) 283
Liu, H.-T., see Yi, D.-E. 227 (2003) 49

Magdich, L.N., see Torchigin, V.P. 227 (2003) 265
Magnusdottir, I., see Uskov, A.V. 227 (2003) 363
Malomed, B.A., see Mayteevarunyoo, T. 227 (2003) 99
Mao, H., see Zhao, D. 227 (2003) 213
Marangos, J.P., see Rickes, T. 227 (2003) 133
Maria Colla, A., see Bovino, F.A. 227 (2003) 343
Mas, D., J. Pérez, C. Hernández, C. Vázquez, J.J. Miret and C. Illueca, Fast numerical calculation of Fresnel patterns in convergent systems 227 (2003) 245
Mayteevarunyoo, T., B.A. Malomed, P.L. Chu and A. Roeksabutr, Fundamental properties of dispersion-managed solitons in systems with lumped frequency-sliding filters 227 (2003) 99
Miret, J.J., see Mas, D. 227 (2003) 245
Monro, T.M., see Baggett, J.C. 227 (2003) 317
Mørk, J., see Uskov, A.V. 227 (2003) 363

Naqvi, Q.A. and M. Abbas, Fractional duality and metamaterials with negative permittivity and permeability 227 (2003) 143
Nesbitt, D.J., see Hamann, H.F. 227 (2003) 1
Nilsson, J., see Sahu, J.K. 227 (2003) 159

O'Reilly, E.P., see Uskov, A.V. 227 (2003) 363
Oboev, V.A., see Torchigin, V.P. 227 (2003) 265

Okamoto, T. and S. Yanagita, Intensity correlations of coherent light reflected from dense powders 227 (2003) 15
Orlov, S., see Butkus, R. 227 (2003) 237
Ozaki, T., see Ganeev, R.A. 227 (2003) 175

Pérez, J., see Mas, D. 227 (2003) 245
Pang, D., see Song, J. 227 (2003) 89
Paris, M.G.A., M. Cola, N. Piovella and R. Bonifacio, Radiation to atom quantum mapping by collective recoil in a Bose–Einstein condensate 227 (2003) 349
Petrov, M.P., V.V. Bryksin, F. Rahe, C.E. Rüter and E. Krätzig, Space charge wave rectification effects in photorefractive $Bi_{12}TiO_{20}$ crystals 227 (2003) 183
Piovella, N., see Paris, M.G.A. 227 (2003) 349
Piskarskas, A., see Butkus, R. 227 (2003) 237
Ponomarenko, S.A. and E. Wolf, The spectral degree of coherence of fully spatially coherent electromagnetic beams 227 (2003) 73
Porsezian, K., see Senthilnathan, K. 227 (2003) 295
Porsezian, K., see Senthilnathan, K. 227 (2003) 275

Rahe, F., see Petrov, M.P. 227 (2003) 183
Ramírez-Duverger, A.S. and R. García-Llamas, Light scattering from a multimode waveguide of planar metallic walls 227 (2003) 227
Renner, H., see Krause, M. 227 (2003) 355
Richardson, D.J., see Sahu, J.K. 227 (2003) 159
Richardson, D.J., see Baggett, J.C. 227 (2003) 317
Rickes, T., J.P. Marangos and T. Halfmann, Enhancement of third-harmonic generation by Stark-chirped rapid adiabatic passage 227 (2003) 133
Riis, E., see Torabi-Goudarzi, F. 227 (2003) 389
Rüter, C.E., see Petrov, M.P. 227 (2003) 183
Riza, N.A., S.A. Khan and M.A. Arain, Flexible beamforming for optically controlled phased array antennas 227 (2003) 301
Roeksabutr, A., see Mayteevarunyoo, T. 227 (2003) 99
Roldán, E., see Knight, P.L. 227 (2003) 147

Sahu, J.K., Y. Jeong, D.J. Richardson and J. Nilsson, A 103 W erbium–ytterbium co-doped large-core fiber laser 227 (2003) 159
Sanetra, J., see Koścień, E. 227 (2003) 115
Senthilnathan, K. and K. Porsezian, Symmetry-breaking instability in gap soliton 227 (2003) 295
Senthilnathan, K. and K. Porsezian, Adiabatic Bragg soliton compression 227 (2003) 275
Sergienko, A.V., see Bovino, F.A. 227 (2003) 343
Set, S.Y., see Khijwania, S.K. 227 (2003) 107
Sheik-Bahae, M., see Imangholi, B. 227 (2003) 337
Si-Lu, ., see Yi, D.-E. 227 (2003) 49
Sipe, J.E., see Knight, P.L. 227 (2003) 147
Sisolyatin, A.A., see Torchigin, V.P. 227 (2003) 265
Smilgevičius, V., see Butkus, R. 227 (2003) 237
Somervell, A.R.D., see Wu, C.Y. 227 (2003) 75
Song, J., D. Pang and S. He, A planar waveguide demultiplexer with a flat passband, sharp transitions and a low chromatic dispersion 227 (2003) 89

Stabinis, A., see Butkus, R. 227 (2003) 237
Sui, C., see Cheng, C. 227 (2003) 371
Sychugov, V.A., see Torchigin, V.P. 227 (2003) 265

Torabi-Goudarzi, F. and E. Riis, Efficient cw high-power frequency doubling in periodically poled KTP 227 (2003) 389
Torchigin, V.P., V.A. Sychugov, I.K. Krasuyk, V.I. Vovchenko, L.N. Magdich, V.A. Oboev, V.A. Bogatirev, A.A. Sisolyatin and A.V. Torchigin, Change in the wavelength of light radiation stored within an optical resonator by means of an acoustic pulse 227 (2003) 265
Torchigin, A.V., see Torchigin, V.P. 227 (2003) 265
Tromborg, B., see Uskov, A.V. 227 (2003) 363
Tu, C., J. Li, Z. Zhu, Z. Chen, Y. Wang and B. Wu, Spectra and intensity parameters of Tm^{3+}:KGd $(WO_4)_2$ laser crystal 227 (2003) 383

Uskov, A.V., J. Mørk, B. Tromborg, T.W. Berg, I. Magnusdottir and E.P. O'Reilly, On high-speed cross-gain modulation without pattern effects in quantum dot semiconductor optical amplifiers 227 (2003) 363

Vázquez, C., see Mas, D. 227 (2003) 245
Varisco, P., see Bovino, F.A. 227 (2003) 343
Vovchenko, V.I., see Torchigin, V.P. 227 (2003) 265
Vujić, D., see Calvo, G.F. 227 (2003) 193

Wang, Y., see Tu, C. 227 (2003) 383
Wei, X., see Zhao, D. 227 (2003) 213
Wisła, A., see Koścień, E. 227 (2003) 115
Wolf, E., see Ponomarenko, S.A. 227 (2003) 73
Wu, B., see Tu, C. 227 (2003) 383
Wu, Z.-M., see Xia, G.-Q. 227 (2003) 165
Wu, C.Y., A.R.D. Somervell, T.G. Haskell and T.H. Barnes, Optical Mellin transform through Haar wavelet transformation 227 (2003) 75

Xia, L., X. Li, X. Chen and S. Xie, A novel dispersion compensating fiber grating with a large chirp parameter and period sampled distribution 227 (2003) 311
Xia, G.-Q., Z.-M. Wu and G.-R. Lin, Rising and falling time of amplified picosecond optical pulses by semiconductor optical amplifiers 227 (2003) 165
Xiangli, B., see Zhang, C. 227 (2003) 221
Xie, S., see Xia, L. 227 (2003) 311
Xu, Z., see Cheng, C. 227 (2003) 371
Xu, Y., see Zheng, W. 227 (2003) 259

Yan, Y.-B., see Yi, D.-E. 227 (2003) 49
Yanagita, S., see Okamoto, T. 227 (2003) 15
Yang, T.-R. and M.M. Dvoynenko, Influence of small losses on light transmission through corrugated metal film 227 (2003) 25
Yi, D.-E., Y.-B. Yan, H.-T. Liu, Si-Lu and G.-F. Jin, Broadband achromatic phase retarder by subwavelength grating 227 (2003) 49

Zha, X., see Zhang, C. 227 (2003) 221
Zhang, J., L. Liu and Y. Zhou, A tunable interleaver filter based on analog birefringent units 227 (2003) 283
Zhang, N., see Zheng, W. 227 (2003) 259
Zhang, C., B. Zhao, B. Xiangli and X. Zha, Analysis of the modulation depth affected by the polarization orientation in polarization interference imaging spectrometers 227 (2003) 221
Zhao, D., H. Mao, H. Liu, X. Wei, F. Jing and Q. Zhu, Effect of spherically aberrated lens on the fractional Fourier transformation systems 227 (2003) 213
Zhao, L., see Zheng, W. 227 (2003) 259
Zhao, B., see Zhang, C. 227 (2003) 221
Zheng, W., N. Zhang, L. Zhao and Y. Xu, The role of Zn ions in holographic storage in Zn:Fe:$LiNbO_3$ 227 (2003) 259
Zhou, Y.-w., see Guo, L.-w. 227 (2003) 83
Zhou, Y., see Zhang, J. 227 (2003) 283
Zhu, Q., see Zhao, D. 227 (2003) 213
Zhu, Z., see Tu, C. 227 (2003) 383

Available online at www.sciencedirect.com
SCIENCE DIRECT®
Optics Communications 227 (2003) 411–414
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Subject index to volume 227

Propagation and scattering

H.F. Hamann, M. Larbadi, S. Barzen, T. Brown, A. Gallagher and D.J. Nesbitt, Extinction near-field optical microscopy 1

T. Okamoto and S. Yanagita, Intensity correlations of coherent light reflected from dense powders 15

T.-R. Yang and M.M. Dvoynenko, Influence of small losses on light transmission through corrugated metal film 25

R. Castaneda, J. Garcia-Sucerquia and F. Brand, Quality descriptors of optical beams based on centred reduced moments I: spot analysis 37

D.-E. Yi, Y.-B. Yan, H.-T. Liu, Si-Lu and G.-F. Jin, Broadband achromatic phase retarder by subwavelength grating 49

P. Hillion, Scalar "beams of finite width" 57

I. Freund, Polarization critical points in polychromatic optical fields 61

S.A. Ponomarenko and E. Wolf, The spectral degree of coherence of fully spatially coherent electromagnetic beams 73

R. Brandenburg, B. Haller and C. Hauger, Real-time in vivo imaging of dental tissue by means of optical coherence tomography (OCT) 203

D. Zhao, H. Mao, H. Liu, X. Wei, F. Jing and Q. Zhu, Effect of spherically aberrated lens on the fractional Fourier transformation systems 213

C. Zhang, B. Zhao, B. Xiangli and X. Zha, Analysis of the modulation depth affected by the polarization orientation in polarization interference imaging spectrometers 221

A.S. Ramírez-Duverger and R. García-Llamas, Light scattering from a multimode waveguide of planar metallic walls 227

R. Butkus, S. Orlov, A. Piskarskas, V. Smilgevičius and A. Stabinis, Localization of optical wave packets by linear parametric amplification 237

Optical information, image formation and analysis, optical computing

C.Y. Wu, A.R.D. Somervell, T.G. Haskell and T.H. Barnes, Optical Mellin transform through Haar wavelet transformation 75

doi:10.1016/S0030-4018(03)02097-2

D. Mas, J. Pérez, C. Hernández, C. Vázquez, J.J. Miret and C. Illueca, Fast numerical calculation of Fresnel patterns in convergent systems 245

W. Zheng, N. Zhang, L. Zhao and Y. Xu, The role of Zn ions in holographic storage in Zn:Fe:$LiNbO_3$ 259

Optical communications

L.-w. Guo, Y.-w. Zhou and Z.-j. Fang, Pulse broadening in optical fiber with polarization mode dispersion and polarization dependent loss 83

J. Song, D. Pang and S. He, A planar waveguide demultiplexer with a flat passband, sharp transitions and a low chromatic dispersion 89

T. Mayteevarunyoo, B.A. Malomed, P.L. Chu and A. Roeksabutr, Fundamental properties of dispersion-managed solitons in systems with lumped frequency-sliding filters 99

S.K. Khijwania, C.S. Goh, S.Y. Set and K. Kikuchi, A novel tunable dispersion slope compensator based on nonlinearly thermally chirped fiber Bragg grating 107

V.P. Torchigin, V.A. Sychugov, I.K. Krasuyk, V.I. Vovchenko, L.N. Magdich, V.A. Oboev, V.A. Bogatirev, A.A. Sisolyatin and A.V. Torchigin, Change in the wavelength of light radiation stored within an optical resonator by means of an acoustic pulse 265

K. Senthilnathan and K. Porsezian, Adiabatic Bragg soliton compression 275

J. Zhang, L. Liu and Y. Zhou, A tunable interleaver filter based on analog birefringent units 283

K. Senthilnathan and K. Porsezian, Symmetry-breaking instability in gap soliton 295

N.A. Riza, S.A. Khan and M.A. Arain, Flexible beamforming for optically controlled phased array antennas 301

L. Xia, X. Li, X. Chen and S. Xie, A novel dispersion compensating fiber grating with a large chirp parameter and period sampled distribution 311

J.C. Baggett, T.M. Monro, K. Furusawa, V. Finazzi and D.J. Richardson, Understanding bending losses in holey optical fibers 317

Atomic and molecular physics

E. Koścień, J. Sanetra, E. Gondek, A. Danel, A. Wisła and A.V. Kityk, Optical absorption measurements and quantum-chemical simulations on 1H-pyrazolo [3,4-b]quinoline derivatives 115

J.C. Delagnes, V. Blanchet and M.A. Bouchene, Role of the radiated field in the propagation of an ultra-short chirped pulse 125

T. Rickes, J.P. Marangos and T. Halfmann, Enhancement of third-harmonic generation by Stark-chirped rapid adiabatic passage 133

Condensed matter

Q.A. Naqvi and M. Abbas, Fractional duality and metamaterials with negative permittivity and permeability 143

B. Imangholi, M.P. Hasselbeck and M. Sheik-Bahae, Absorption spectra of wide-gap semiconductors in their transparency region 337

Quantum optics

P.L. Knight, E. Roldán and J.E. Sipe, Optical cavity implementations of the quantum walk 147

F.A. Bovino, P. Varisco, A. Maria Colla, G. Castagnoli, G. Di Giuseppe and A.V. Sergienko, Effective fiber-coupling of entangled photons for quantum communication 343

M.G.A. Paris, M. Cola, N. Piovella and R. Bonifacio, Radiation to atom quantum mapping by collective recoil in a Bose–Einstein condensate 349

Laser physics and laser sources

J.K. Sahu, Y. Jeong, D.J. Richardson and J. Nilsson, A 103 W erbium–ytterbium co-doped large-core fiber laser 159

G.-Q. Xia, Z.-M. Wu and G.-R. Lin, Rising and falling time of amplified picosecond optical pulses by semiconductor optical amplifiers 165

M. Krause, S. Cierullies and H. Renner, Stabilizing effect of line broadening in Raman fiber lasers 355

A.V. Uskov, J. Mørk, B. Tromborg, T.W. Berg, I. Magnusdottir and E.P. O'Reilly, On high-speed cross-gain modulation without pattern effects in quantum dot semiconductor optical amplifiers 363

C. Cheng, Z. Xu and C. Sui, A novel design method: a genetic algorithm applied to an erbium-doped fiber amplifier 371

C. Tu, J. Li, Z. Zhu, Z. Chen, Y. Wang and B. Wu, Spectra and intensity parameters of Tm^{3+}:KGd $(WO_4)_2$ laser crystal 383

Nonlinear optics

G.S. Kanter and P. Kumar, All-optical signal regeneration utilizing multi-stage cascaded nonlinearities 171

R.A. Ganeev, A. Ishizawa, T. Kanai, T. Ozaki and H. Kuroda, Polarization peculiarities of femtosecond laser induced harmonic generation from solid surface plasma 175

M.P. Petrov, V.V. Bryksin, F. Rahe, C.E. Rüter and E. Krätzig, Space charge wave rectification effects in photorefractive $Bi_{12}TiO_{20}$ crystals 183

G.F. Calvo, F. Agulló-López, M. Carrascosa, M.R. Belić and D. Vujić, Two-dimensional soliton-induced refractive index change in photorefractive crystals 193

F. Torabi-Goudarzi and E. Riis, Efficient cw high-power frequency doubling in periodically poled KTP 389